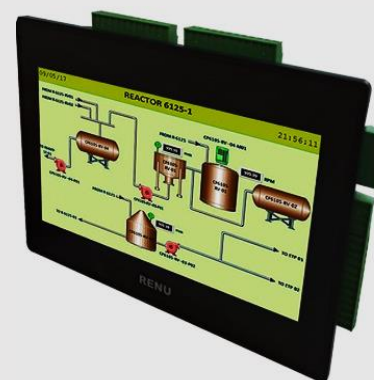


SALIENT FEATURES

- 7" Color TFT TFT with 16:9 Aspect Ratio
- Local I/O and Pluggable I/O Module Support
- Digital and configurable Analogue I/O
- Controller function programmable by installed IEC 61131-3 based software
- Flash: 16MB, RAM: 16MB
- Approvals: CE, UL Class I Div 2, IP66 and ROHS



DETAILED SPECIFICATIONS

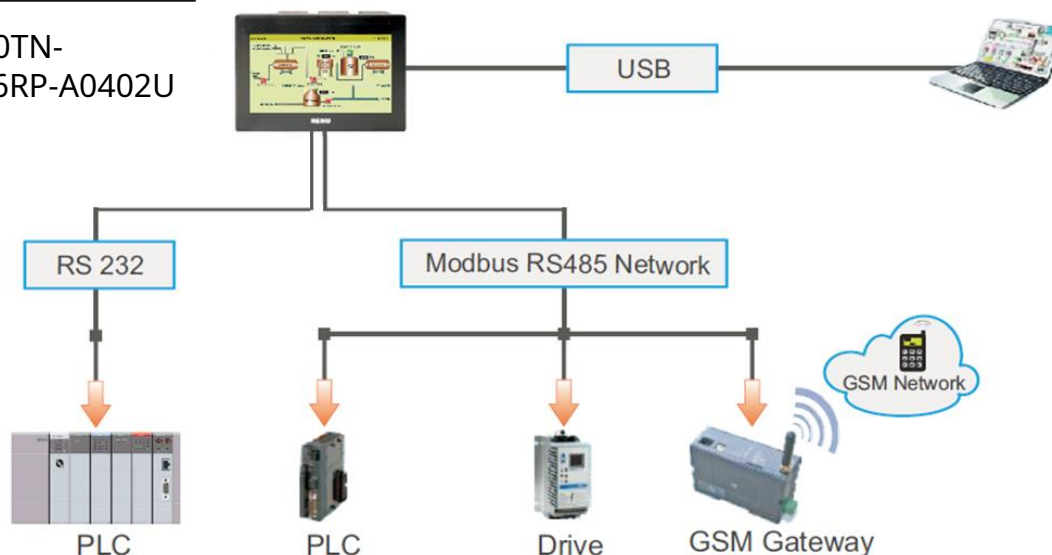
Part Number	FP2070TN-LE2016RP-A0402U
Size	7" WVGA Color TFT
Resolution	800 x 480 pixels
Touch Screen	Analog Resistive
CPU	32-bit RISC Processor
CPU and Power	
Power (Base)	24VDC (±20%) @290mA (Wattage: 6.96W)
LEDs	1
RAM	16MB
FLASH	16MB
User Application	8MB
Ladder Memory	2MB
Alarm Memory	1350 Alarms
Retentive Memory	8000 Words
Keep Memory Registers	1000 words
Data Log	4MB
Isolation	No
Digital Inputs	20 Digital inputs, Total 2 x High speed
Input current	24VDC, 5mA (±10 %)
High Speed Inputs	2 (200 kHz) (X0-X1,X2-X3)
Quadrature Inputs	2 Quadrature Input up to 200 kHz
Digital Outputs	16 (12 Relay outputs 4 PNP outputs) Total 2 X High speed
Digital High Speed Output#	2 X 10 kHz (Y0-Y1,Y2-Y3)
Nominal Load Current	300mA/1 point for PNP
Analog Input Total Channels	4:Individually Configurable for Current/ Voltage/RTD/Thermocouple.
Voltage Input	0-10V, 0-5V (configurable)
Current Input	0-20mA, 4-20mA (configurable)
Temperature Input	RTD,PT-100 and PT1000, T/C of various types
Analog Input Resolution	16 bit resolution
Analog Output Total Channels	2 nos 0-20 mA, 4-20 mA and 0-10 VDC (configurable)
Expansion supported	3 Expansion Card Can be supported
Language support	IEC61131-3 (LD, SFC, IL, FBD, ST)
Panel Cutout	127.00(H) x 175.00(W)mm
Bezel Dimensions	138(H) x 186.0(W) x 31.0(D)mm

Communication	
Serial	2 x RS232/RS485 (1 PBT and 1 RJ45)
USB Device	1 x USB Type C
Ethernet	1x 10/100Mbps
Environment & Approvals	
Operating Temp.	0°C to 50°C
Storage Temp.	-30°C to 85°C
Humidity	10 to 95% (Non-condensing)
Shock	IEC 60068-2-27, 25g
Vibration	5~150Hz, 3g peak, (X, Y, Z)
Protection	IP66 for front panel ,IP 20 for rare panel
Approvals	CE, UL(Class 1 Div.2), UKCA, REACH , RoHS

Note: #Subject to change

APPLICATION EXAMPLE

FP2070TN-
LE2016RP-A0402U



SUPPORTING OBJECTS

Drawing Tools
Line, Rectangle, Ellipse
Rounded Rectangle
Multilingual text
Picture
Selector
Scale

Data Entry / Data Display
Numeric data
Bit data
Message Data

Advanced Objects
Buttons
Advanced Bit Button
Word Button
Bit Lamp
Word Lamp
Bargraph
Analog Meter
Real Time Trend
Historical Trend
Email Log
XY Plot

Supported Tasks
Button specific tasks
Global tasks
Screen specific tasks
Data exchange tasks

Clock Objects
Time
Date

Pluggable Expansion Modules Comparison

Model	Digital I/P	Digital Output	Analog Input	Analog Output	Description
FPEM-1210RP-A0201L-V2	12	10	2	1	12 Bi-directional type inputs, 10 Digital outputs - 2 PNP type transistor outputs and 8 Relay type outputs. 2 Analog inputs & 1 Analog output
FPEM-1210RP-V2	12	10	-	-	12 Bi-directional type inputs, 10 Digital outputs - 2 PNP type transistor outputs and 8 Relay type outputs.
FPEM-1212RP-A0200L-V2	12	12	2	0	12 Bi-directional type inputs, 12 Digital outputs - 2 PNP type transistor outputs and 10 Relay type outputs. 2 Analog inputs
FPEM-1210P-A0201L-V2	12	10	2	1	12 Bi-directional type inputs, 10 PNP type transistor outputs. 2 Analog inputs & 1 Analog output
FPEM-1212P-A0200L-V2	12	12	2	0	12 Bi-directional type inputs, 12 PNP type transistor outputs. 2 Analog inputs
FPEM 1616P-V2	16	16	-	-	16 Bi-directional type inputs, 16 PNP type transistor outputs
FPEM 1614RP-V2	16	14	-	-	16 Bi-directional type inputs, 14 Digital outputs - 2 PNP type transistor outputs and 12 Relay type outputs.
FPEM-0808RP-A0401U-V2	8	8	4	-	8 Bi-directional type inputs, 8 Digital outputs - 2 PNP type transistor outputs, and 6 Relay type outputs. 4 Universal inputs (16-bit resolution) & 1 Analog output (12-bit resolution)

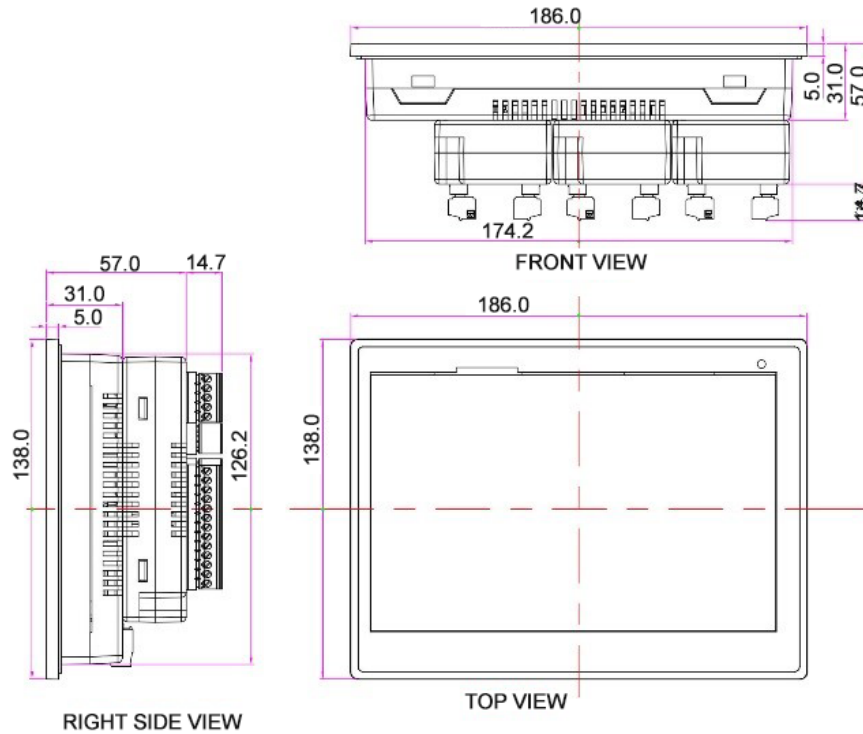
SUPPORTED PROTOCOLS

Sr. No.	Protocols	Sr. No.	Protocols
1	Delta PLCs Driver	7	Modbus RTU (Unit as Slave)
2	FlexiLogics Slave Driver (Serial)	8	Universal Serial Driver(ASCII)
3	FlexiLogics Master Driver (Serial)	9	Universal Ethernet Driver(ASCII)
4	Modbus ASCII (Unit as Master)	10	Modbus TCP/IP client
5	Modbus RTU (Unit as Master)	11	Modbus TCP/IP server
6	FlexiLogics Master Driver (Ethernet)		

ORDERING INFORMATION

Models	Description
FP2070TN-LE2016RP-A0402U	7" TFT, 24VDC, 2 Serial ports (1 PBT and 1 RJ45), 1 USB Type C, 20 Digital Inputs (2 High Speed Inputs 200kHz, 2 Quadrature Input up to 200 kHz), 16 Digital Outputs (12 Relay & 4 PNP (200kHz)), 4 Analog Inputs (2 V/I, 2 Temp Input), & 2 Analog Outputs (V & I), 3 Pluggable I/O Modules

DIMENSIONS



FP2070TN-LE2016RP-A0402U

Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customized units.



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(Specifications subject to change without prior notice. DS- FP2 with Local and Pluggable I/Os -Rev.C)